

**NUCLEIC ACID VACCINE COMPOSITIONS HAVING A
MAMMALIAN CD80/CD86 GENE PROMOTER DRIVING ANTIGEN
EXPRESSION**

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Abstract of the Disclosure

Polynucleotides encoding at least one immunizing antigen whose
10 expression is controlled by a promoter derived from a gene encoding a co-
stimulatory molecule are provided. The polynucleotides may also encode
adjuvants. Compositions comprising at least one immunizing agent and at
least one cytokine that enhance dendritic cell stimulation and/or survival are
also provided. Methods for eliciting an immune response against the
15 immunizing agent are also provided. The method includes the steps of
administering the polynucleotides and, optionally, co-administering an
adjuvant.

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